Performance Data Sheet

RGA5485BXD

General Information

Model	RGA5485BXD	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	2650	2700					
	Watts	459	500					
	Amps	2.09	2.33					
	Lb/h	34.2	34.1					
-10	Btu/h	3090	3080	3060				
	Watts	472	516	561				
	Amps	2.15	2.39	2.64				
	Lb/h	39.0	38.7	38.3				
-5	Btu/h	3600	3510	3430	3340			
	Watts	482	530	579	629			
	Amps	2.19	2.45	2.71	2.98			
	Lb/h	44.5	43.9	43.3	42.7			
0	Btu/h	4160	4010	3860	3700	3540		
	Watts	488	541	594	648	703		
	Amps	2.22	2.49	2.76	3.04	3.32		
	Lb/h	50.7	49.9	49.0	48.2	47.2		
5	Btu/h	4790	4570	4350	4130	3900		
	Watts	492	548	606	664	723		
	Amps	2.24	2.52	2.81	3.10	3.39		
	Lb/h	57.6	56.5	55.4	54.3	53.1		
10	Btu/h	5490	5200	4910	4620	4320	4030	3730
	Watts	493	554	615	677	740	804	870
	Amps	2.25	2.54	2.84	3.14	3.45	3.76	4.08
	Lb/h	65.1	63.8	62.5	61.1	59.7	58.2	56.7
15	Btu/h	6250	5890	5530	5170	4810	4440	4080
	Watts	492	556	621	687	754	823	892
	Amps	2.25	2.56	2.87	3.18	3.50	3.82	4.15
	Lb/h	73.3	71.8	70.2	68.5	66.9	65.2	63.4
20	Btu/h	7070	6640	6210	5780	5350	4920	4490
	Watts	488	556	626	696	766	839	912
	Amps	2.24	2.56	2.88	3.21	3.53	3.87	4.21
	Lb/h	82.2	80.4	78.6	76.7	74.8	72.8	70.8

25	Btu/h	7960	7460	6960	6460	5970	5460	4960
	Watts	481	554	627	701	776	852	929
	Amps	2.23	2.56	2.89	3.22	3.56	3.91	4.26
	Lb/h	91.8	89.7	87.6	85.5	83.4	81.1	78.9
30	Btu/h	8910	8340	7780	7210	6640	6070	5500
	Watts	473	549	627	705	783	863	944
	Amps	2.20	2.54	2.89	3.23	3.59	3.94	4.31
	Lb/h	102	99.7	97.4	95.0	92.6	90.1	87.6
35	Btu/h	9930	9290	8650	8020	7380	6740	6100
	Watts	462	543	624	706	788	872	957
	Amps	2.17	2.52	2.88	3.24	3.60	3.97	4.34
	Lb/h	113	110	108	105	103	99.8	97.1
40	Btu/h	11000	10300	9600	8890	8180	7480	6770
	Watts	449	534	619	705	791	879	968
	Amps	2.13	2.49	2.86	3.23	3.60	3.98	4.37
	Lb/h	125	122	119	116	113	110	107
45	Btu/h	12200	11400	10600	9830	9050	8270	7500
	Watts	434	523	612	702	792	884	976
	Amps	2.08	2.46	2.84	3.22	3.60	3.99	4.39
	Lb/h	137	134	131	128	124	121	118
50	Btu/h	13400	12500	11700	10800	9980	9140	8290
	Watts	418	510	603	697	791	887	983
	Amps	2.03	2.41	2.80	3.20	3.59	4.00	4.40
	Lb/h	150	147	143	140	136	133	129
55	Btu/h	14600	13700	12800	11900	11000	10100	9150
	Watts	399	496	593	690	789	888	988
	Amps	1.96	2.36	2.77	3.17	3.58	3.99	4.41
	Lb/h	164	160	156	153	149	145	141

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.365783E+03	8.164330E+01	1.237895E-01	5.670155E+01
C2	2.300914E+02	-5.679364E+00	-1.474023E-02	1.716805E+00
C3	-1.508196E+01	5.112887E+00	2.637742E-02	-7.645793E-02
C4	1.299342E+00	-5.477176E-02	-2.104387E-04	1.385424E-02
C5	-1.387578E+00	8.661759E-02	2.634912E-04	-5.299952E-03
C6	3.522218E-03	-2.255540E-03	-1.208857E-05	9.436722E-05
C7	2.360853E-04	1.346068E-04	4.661785E-07	-5.049386E-07
C8	-3.265251E-04	-1.310065E-05	7.206967E-08	-3.112509E-06
C9	1.149502E-04	-3.221540E-05	-1.782499E-07	1.908505E-06
C10	-3.684644E-05	2.327740E-05	1.215045E-07	-9.591189E-07

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature